

Title (en)

Method for extracting characteristic features from a speech signal

Title (de)

Verfahren zum Ableiten charakteristischer Werte aus einem Sprachsignal

Title (fr)

Procédé d'extraction de caractéristiques d'un signal de parole

Publication

EP 0803861 B1 20030305 (DE)

Application

EP 97201104 A 19970414

Priority

DE 19616103 A 19960423

Abstract (en)

[origin: EP0803861A2] The method involves providing characteristic values which represent a speech signal. The power density spectrum for each of a number of discrete frequencies are obtained from the speech signal. Autocorrelation coefficients are provided for successive frequency segments of the power density spectrums, which are used to provide an error value for each segment with summation of the error values for all segments. The autocorrelation and error value formation are repeated for different segment boundaries to determine the optimum frequency limits with the minimum sum error. with provision of A characteristic value is provided for each segment from the corresponding autocorrelation coefficients.

IPC 1-7

G10L 11/00

IPC 8 full level

G10L 11/00 (2006.01); **G10L 19/06** (2013.01); **G10L 13/00** (2006.01); **G10L 15/00** (2013.01)

CPC (source: EP KR US)

G10L 19/06 (2013.01 - EP US); **G10L 25/06** (2013.01 - KR); **G10L 13/00** (2013.01 - EP US); **G10L 15/00** (2013.01 - EP US); **G10L 25/06** (2013.01 - EP US); **G10L 25/21** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0803861 A2 19971029; **EP 0803861 A3 19981007**; **EP 0803861 B1 20030305**; CN 1120468 C 20030903; CN 1167308 A 19971210; DE 19616103 A1 19971030; DE 59709419 D1 20030410; JP H1069296 A 19980310; KR 100422266 B1 20040804; KR 970071463 A 19971107; US 6041296 A 20000321

DOCDB simple family (application)

EP 97201104 A 19970414; CN 97111218 A 19970423; DE 19616103 A 19960423; DE 59709419 T 19970414; JP 10463297 A 19970422; KR 19970015176 A 19970423; US 84380897 A 19970421